PROCEEDINGS OF THE

ROYAL ENTOMOLOGICAL SOCIETY OF LONDON

SERIES C. JOURNAL OF MEETINGS

VOLUME 10. No. 5, 1945.

GENERAL MEETING

WEDNESDAY, 6TH JUNE, 1945, **at 3.30 p.m.**

AGENDA

1. Confirmation of the Proceedings of the General Meeting held on 2nd May, 1945.
2. Recommendations of candidates for Fellowship.
3. Announcement of election of new Fellows.
4. Additions to the Library since the meeting on 2nd May, 1945 :

Presented.

Jeannel, R. : Les Calosomes. [*Mem. Mus. nat. Hist. nat.* (n.s.) **13**, 1940.] [The author.]

Jeannel, R. : Croisière du " Bougainville " aux iles australes françaises. [*Mem. Mus. nat. Hist. nat.* (n.s.) **14**, 1940.] [The author.]

Purchased.

Companyo, L. : *Histoire naturelle du département des Pyrénées Orientales.* **3.** Perpignan, 1863.

Rabaud, E., and Pickard, F. : *La vie des Abeilles et des Guêpes.* Paris, 1923.

Dongé, E., and Estiot, P. : *Les insectes et leurs dégâts.* Ed. 2. Paris, 1931.

Jeannel, R. : *La genèse des faunes terrestres.* Paris, 1942.

Brumpt, E., and Neveu-Lemaire, M. : *Travaux pratiques de Parasitologie.* Ed. 3. Paris, 1938.

Paulian, R. : *Les Coléoptères : formes—moeurs—rôle.* Paris, 1943.

Paulian, R. : *La vie des Scarabées.* Paris, 1944.

In addition, separates have been presented by Dr. A. D. Imms, F.R.S., and Dr. B. P. Beirne.

5. Admission of Fellows.
6. Communications.

(1) **Professor G. D. Hale Carpenter.**

A male Phasmid belonging to the genus *Palophus*, with notes on its flight; and nymphs of a Mantid (*Oxypilus* sp.), with notes on their behaviour; both on behalf of Mr. Eric Burtt.

(2) **Dr. A. G. Hamilton.**

Further studies on the relation of humidity and temperature to the development of African locusts.

[Abstract.]

The results of a large number of experiments are given in graphic form, showing the effect of constant conditions of humidity and temperature on the rate of hopper development, the percentage of hoppers reaching the adult stage, and on the sexual maturation and fecundity of the adults. Equations have been formulated which show the effect of temperature on the rate of development at optimum humidity. These equations also give the developmental zero and the fastest theoretical rate of development. Further, these results are of value as a basis for the study of fluctuating conditions, which have also been dealt with, and the results recorded in graphic form.

(3) Communications and exhibits the titles of which have been received since the circulation of these agenda.

Tea will be served in the Library after the meeting.

NOTICE.

Fellows are reminded that systematic papers for which they are anxious to secure early publication can now be published with very little delay in *Proceedings Series B*, provided they do not exceed a length of some eight printed pages.

SPECIAL NOTICE.

A **Joint Meeting with the Royal Meteorological Society** will be held in the Society's Rooms on Wednesday, 20th June, **at 4.30 p.m.** Details of the agenda will be circulated in advance of the meeting. This will be an additional meeting. The next subsequent General Meeting will be on Wednesday, 3rd October, 1945, at 3.30 p.m.

PROCEEDINGS OF THE GENERAL MEETING HELD ON 2ND MAY, 1945.

Professor G. D. Hale CARPENTER, M.B.E., D.M., President, in the Chair.

Present, 37 Fellows and 13 Visitors.

The minutes of the General Meeting held on 4th April 1945, previously circulated, were confirmed, and signed by the President.

The President reported the loss by death of Professor Dr. A. P. SEMENOV TIAN-SHANSKIJ, an Honorary Fellow of the Society since 1913; and of Mr. E. C. BEDWELL, a Fellow since 1899, and a Special Life Fellow since 1940.

The names of the following candidates for election were read :—

For the first time : A. P. Kapur, Gordon MacGregor Crawford, Geoffrey Withington Harper, Vera Molesworth Muspratt, Robert Burnett, Theodore David Goddard, Alfred Frederick Ernest Friedlein.

For the second time : Douglas Patrick Pielou, John Eric Marson, Peter William Stanley, Clarence Victor Wilton Burnard, William McAuley Gracie.

The Secretary read the names of the following newly elected Fellows of the Society: V. A. Adams, 19, Halcyon Road, Swilly, Plymouth, Devon; L. E. Couchman, 35, Browne Street, West Hobart, Tasmania; R. A. Davis, The Schoolhouse, Pingewood, nr. Burgfield, Reading, Berks; E. C. Evans, 144, Nicolas Road, Chorlton-cum-Hardy, Manchester 21; J. S. Kennedy, Chemical Defence Experimental Station, Porton; B. B. Snell, Woodsome, Plymyard Avenue, Bromborough, Cheshire.

Thanks were voted to the donors of gifts to the Library since the last meeting.

Mr. Eric Charles Evans signed the Obligation Book and was admitted a Fellow.

The Secretary read, in title only, the following papers which had been accepted for publication in the *Transactions* for 1945 :—

" On the mating swarms of certain CHIRONOMIDAE (Diptera)." By N. H. E. Gibson.

" Undescribed species of crane-flies from Northern Korea (Tipuloidea, Diptera). Part 1." By C. P. Alexander.

" The variation of *Glaenocorisa* Thoms. (Hemiptera, CORIXIDAE) in the British Isles and its probable cause." By E. S. Brown.

" The classification of the SIMULIIDAE (Diptera)." By J. Smart.

" The natural classification of Leaf-hoppers (Jassoidea, Homoptera)." By J. W. Evans.

" Observations on the mass migrations of desert locusts." By J. S. Kennedy.

" Notes on Amazonian Odonata in the Leeds Museum." By F. C. Fraser.

" Notes on some Homoptera from Yemen. 1." By A. A. Zakhvatkin.

" On larvae of the NOCTUIDAE (Lepidoptera). 1." By J. C. M. Gardner.

" Classification of the CEPHIDAE (Hymenoptera, Symphyta)." By R. B. Benson.

" Ethiopian CULICIDAE: Notes and descriptions of some new species and hitherto unknown larvae and pupae." By C. C. van Someren.

Mr. R. B. Benson and Dr. G. Fraenkel made communications, abstracts of which were printed on pp. 11 and 12.

In addition, Captain R. A. Jackson, R.N., reported that during a recent visit to Aviemore, he was told of the existence of a small cave on the hillside in which a number of moths' wings had been found. He was not able to visit the cave himself, but all the wings that could be found were brought to him and he had found they represented the following separate moths: 1 *Odontosia carmelita*, 1 *Saturnia pavonia*, 15 *Achlya flavicornis*, 1 *Orthosia gothica*, 1 *Orthosia stabilis*, 7 *Orthosia incerta*, 1 *Eupsilia transversa*, 1 *Lycia hirtaria*. *A. flavicornis* was certainly one of the commonest species at Aviemore in the early spring, with *O. incerta* a good second. All the wings were quite fresh. No trace of an insectivorous animal could be found, but a bat was suspected.

Dr. H. E. Hinton exhibited larvae and pupae of the myrmecophilous beetle *Clytra quadripunctata* L., in their cases, from a nest of *Formica rufa*, and gave an outline of the biology of the species.

N. D. RILEY, *Hon. Secretary.*

NOTICES

ADMISSION OF FELLOWS

Any Fellow who has not been formally admitted to the Society under Chapter XIV, Section 4 of the Bye-Laws and attends the meeting on 6th June, 1945, is requested to inform the Registrar before 3.15 p.m. on that date.

THE GENERIC NAMES OF BRITISH INSECTS, prepared by the Committee on Generic Nomenclature of the Royal Entomological Society of London, with the assistance of the Department of Entomology of the British Museum (Natural History):

Part 1.	Recommendations relating to the publication of the committee's reports	price 6*d.*
Part 2.	The generic names of the British Rhopalocera with a check list of the species	price 3*s.* 6*d.*
Part 3.	The generic names of the British Odonata with a check list of the species	price 3*s.* 6*d.*
Part 4.	The generic names of the British Neuroptera, with a check list of the British species . . .	price 3*s.* 6*d.*
Part 5.	The generic names of the British Hymenoptera Aculeata, with a check list of the British species	price 15*s.* 0*d.*
Part 6.	The generic names of the British CARABIDAE, with a check list of the British species . . .	price 10*s.* 0*d.*
Part 7.	The generic names of the British Hydradephaga, with a check list of the British species . .	price 5*s.* 0*d.*
Part 8.	The generic names of the British Hemiptera–Heteroptera, with a check list of the British species	price 39*s.* 0*d.*

STYLOPS, a Journal of Taxonomic Entomology.

1932–1935. Vols. 1–4 (all issued). Price £1 16*s.* 0*d.* each; to Fellows, £1 7*s.* 0*d.*

ABSTRACT OF PROCEEDINGS OF THE ROYAL ENTOMOLOGICAL SOCIETY OF LONDON. 1935. Nos. 1–6 (all issued). 3*s.* 0*d.*

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